

# THE STANDARD SCALE & SUPPLY COMPANY

## Manufacturers of Concrete Mixers

1631 Liberty Avenue  
PITTSBURGH, PA.

### STORES AND WAREHOUSES

CHICAGO, ILL., 1345-1347 Wabash Avenue  
PHILADELPHIA, PA., 523 Arch Street

NEW YORK, N. Y., 145 Chambers Street  
CLEVELAND, OHIO, 1547 Columbus Road

### Products.

"THE STANDARD" and "S. S." LOW CHARGING CONCRETE MIXERS, and "THE STANDARD" SPECIAL ROAD and STREET PAVING MIXERS.

Also, Steam Engines and Boilers, Gasoline Engines, Contractors' Machinery, Hoists, Tower Equipment and Elevators, Pumping Outfits, Dump Wagons, Cars, Scrapers, Wheelbarrows, Carts, Trucks, Scales, etc.

### Concrete Mixers.

The most important feature is the patented low-charging design which enables the drum to be charged from the low platform that is attached to the machine, and portable with the outfit.

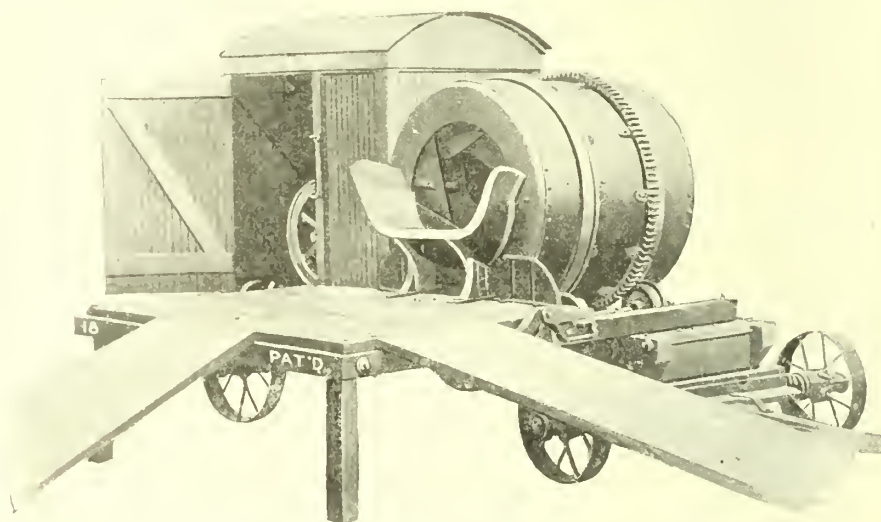
The aggregates are dumped directly over the charging chute into the large opening of drum, and are forwarded by the charging blades to the mixing portion which is provided with diagonal blades to insure thorough and rapid mixing. Both the charging and mixing blades are attached to, and rotate with, the drum.

The large opening in the drum permits the mixing operation to be easily watched; and high grade, uniform concrete is secured without depending on guesswork.

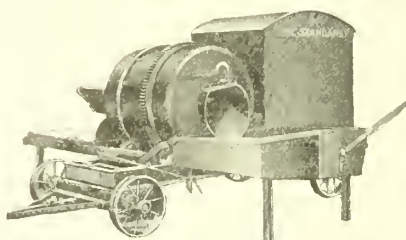
The discharge mechanism is semi-automatic, and in all except the smaller sizes can be operated from either end of the drum. The discharge is very rapid; the medium sizes will load a wheelbarrow in one revolution of the drum.

The folding platform affords larger space for charging, and enables cement and water to be supplied without interfering with the wheelers. It is folded up for moving, and the complete outfit can be loaded in an ordinary box car without removing any parts.

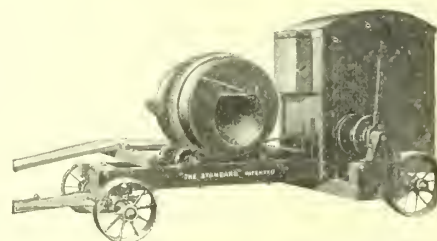
The drum construction allows contractors to mix cement and lime mortars, and a great variety of plasters, and the discharge will handle plasters and mortars that will not fall from the discharge pockets of other types of mixers



LOW CHARGING CONCRETE MIXER WITH FOLDING PLATFORM



CONCRETE MIXER WITH PLATFORM AND DISCHARGE HOPPER LOWERED  
The barrows are loaded from this discharge hopper, which holds about two batches



CONCRETE MIXER WITH HOIST FOR ELEVATING CONCRETE  
Mixer and hoist driven by same engine, and either independently if desired

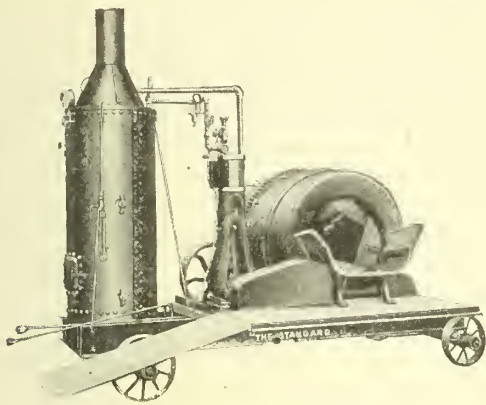
SIZES, APPROXIMATE CAPACITIES AND WEIGHTS\* OF "THE STANDARD" LOW CHARGING CONCRETE MIXER

|                                                  | 303     | 304     | 305     | 307     | 310     | 312     | 316     | 321     | 330     | 340     |
|--------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| †Wood Mounted.....                               | 303     | 304     | 305     | 307     | 310     | 312     | 316     | 321     | 330     | 340     |
| Steel Mounted.....                               | 403     | 404     | 405     | 407     | 410     | 412     | 416     | 421     | 430     | 440     |
| Cap. per batch, unmixed, cu. ft. . . .           | 3       | 4       | 5       | 7       | 10      | 12      | 16      | 21      | 30      | 40      |
| Cap. per batch, mixed concrete, cu. ft. . . . .  | 2       | 3       | 4       | 5       | 7       | 9       | 12      | 16      | 22      | 28      |
| Est. cap. per hour, mixed, cu. yds. . .          | 3       | 4       | 5       | 7       | 10      | 12      | 15      | 20      | 25      | 30      |
| H.P. furnished Gasoline Engine. . . .            | 2       | 2½      | 3       | 4       | 5       | 6       | 8       | 10      | 12      | 15      |
| H.P. furnished Steam Engine. . . . .             | 2       | 2       | 2       | 2       | 4       | 5       | 6       | 8       | 12      | 15      |
| H.P. furnished Steam Boiler. . . . .             | 2       | 2       | 3       | 3       | 5       | 6       | 7       | 9       | 14      | 16      |
| H.P. Electric Motor. . . . .                     | 2       | 2       | 2       | 3       | 5       | 5       | 7½      | 10      | 12      | 15      |
| Revolutions per minute. . . . .                  | 17      | 17      | 17      | 17      | 17      | 16      | 15      | 15      | 13      | 13      |
| Drum size. . . . .                               | 30 x 26 | 30 x 32 | 36 x 30 | 36 x 38 | 42 x 36 | 42 x 42 | 48 x 42 | 48 x 56 | 60 x 62 | 60 x 75 |
| On skids with pulley or gear (no power). . . . . | 600     | 700     | 900     | 1200    | 1600    | 1700    | 2200    | 3000    | 4000    | 4800    |
| On skids with gasoline engine. . . . .           | 1100    | 1300    | 1700    | 2000    | 2600    | 2700    | 3700    | 4600    | 6000    | 6800    |
| On skids with steam engine only. . . .           | 1500    | 1700    | 2200    | 2400    | 2800    | 2900    | 3400    | 4000    | 6400    | 6800    |
| On skids with steam engine and boiler. . . . .   | 2200    | 2400    | 2600    | 3600    | 4000    | 5100    | 6300    | 7800    | 9700    | 9700    |
| On skids with electric motor. . . . .            | 1200    | 1500    | 1800    | 2400    | 2700    | 3200    | 4200    | 5100    | 6000    | 6800    |
| On truck with pulley or gear (no power). . . . . | 900     | 1100    | 1500    | 1700    | 2100    | 2200    | 2900    | 3900    | 5000    | 6000    |
| On truck with gasoline engine, housed. . . . .   | 1300    | 1700    | 2300    | 2600    | 3300    | 3500    | 4800    | 6000    | 6800    | 8000    |
| On truck with steam engine only. . . .           | 2100    | 2400    | 2800    | 3100    | 3800    | 4100    | 5400    | 6400    | 6600    | 8000    |
| On truck with steam engine and boiler. . . . .   | 2800    | 2900    | 4100    | 4300    | 5400    | 5400    | 6800    | 8500    | 11000   | 11000   |
| On truck with electric motor, housed. .          | 1600    | 2100    | 2300    | 3100    | 3300    | 4200    | 5100    | 6200    | 6200    | 8000    |

\* Mounted for side discharge unless otherwise ordered. Rear discharge furnished at extra charge.

† For plain side discharge outfits. Will vary for different mountings and equipment.

† Wood mounted outfits, or on wood skids or trucks, usually furnished. Steel when specified.



CONCRETE MIXER WITH STEAM ENGINE AND BOILER,  
CHARGING SIDE

#### Advantages of Low Charging Mixers.

The low, compact design of "The Standard" avoids the necessity of any kind of mechanical charging device; there is practically nothing to get out of order, and no skilled attendant is necessary. It can be moved rapidly from one point to another, takes up but small space, and folding platform is always ready for immediate use.

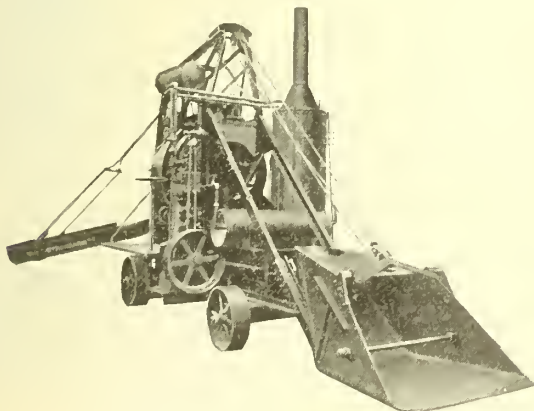
A high charging mixer is impractical and unprofitable without mechanical loading equipment, which makes cost and weight excessive or prohibitive for ordinary concrete work, increasing first cost by about one third, and requiring one half more power to operate.

#### Machines for Street and Road Work.

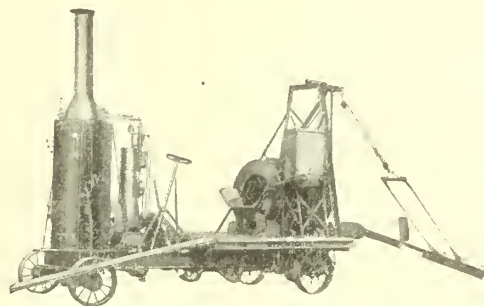
**SPECIAL STREET PAVING MIXER**—A large capacity street paver, steel constructed, steam-driven, reverse traction machine. Vertical engine and boiler placed on opposite sides of the frame, near center, mounted very low.

Mixing drum is arranged to discharge at the rear and is equipped with charging and mixer blades, and with the semi-automatically operated, quick discharge device. Skip has a wide open outer end, with a central horizontal stop rod which permits barrows to be wheeled directly on to end of skip and dumped over this rod. Speed of skip is about sixty feet per minute, and time required for discharge into mixer is about fifteen seconds.

Regular length of distributing spout is twelve feet, and it is provided with three sectional openings so that concrete can be discharged at any point in its length. Spout has a swinging radius of half a complete circle, or 180 degrees.



STREET PAVING MIXER WITH SKIP CHARGING HOPPER AND  
SECTIONAL DELIVERY SPOUT



ROAD PAVING MIXER WITH DISTRIBUTING SPOUT, STEAM  
POWER AND TRACTION

**ROAD PAVING**—The road machine is the regular low charging mixer, mounted for rear discharge, furnished with water tank, distributing spout, and traction. Is especially adapted for road, alley, curb, gutter and sidewalk work. Steam outfit is shown, but gasoline power is usually furnished.

Write for complete Catalogue No. 60.

#### The "S. S. S." Low Charging Concrete Mixers.

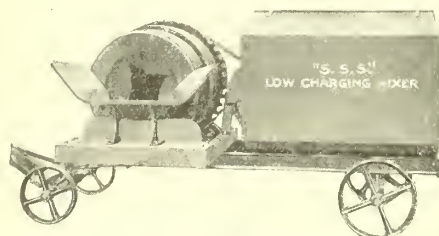
The "S. S. S." mixers meet the demand for very low-priced mixers, and are designed to give the user the advantage of low charging, the most important single feature for securing concrete at low cost.

The "S. S. S." mixers are especially adapted for construction work, such as laying sidewalks, curbs and gutters, foundations for small buildings, and building culverts, small bridges, abutments, piers, silos, etc., and can be operated to good advantage with a small crew of workmen.

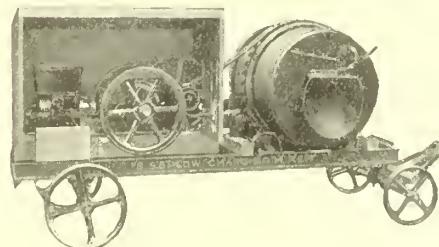
Because of the simplicity of design and few working parts in the construction of the "S. S. S." mixer, it is sold at a very low price. It can be charged either by wheelbarrows from platform only 20 inches high or by shoveling directly into drum. With the rapid semi-automatic discharge the mixed concrete is emptied from the drum in a few revolutions into wheelbarrow or directly into forms as desired. On account of the light weight, the outfit can be easily moved from one location to another by a few workmen.

The "S. S. S." is built in four sizes with capacities of 4, 6, 9 and 11 cubic feet per batch, usually mounted on steel truck with gasoline engine housed, complete.

Write for complete Catalogue No. 60-S.



"S.S.S." MIXER, CHARGING SIDE



"S.S.S." MIXER, DISCHARGING SIDE